

FIG. 1

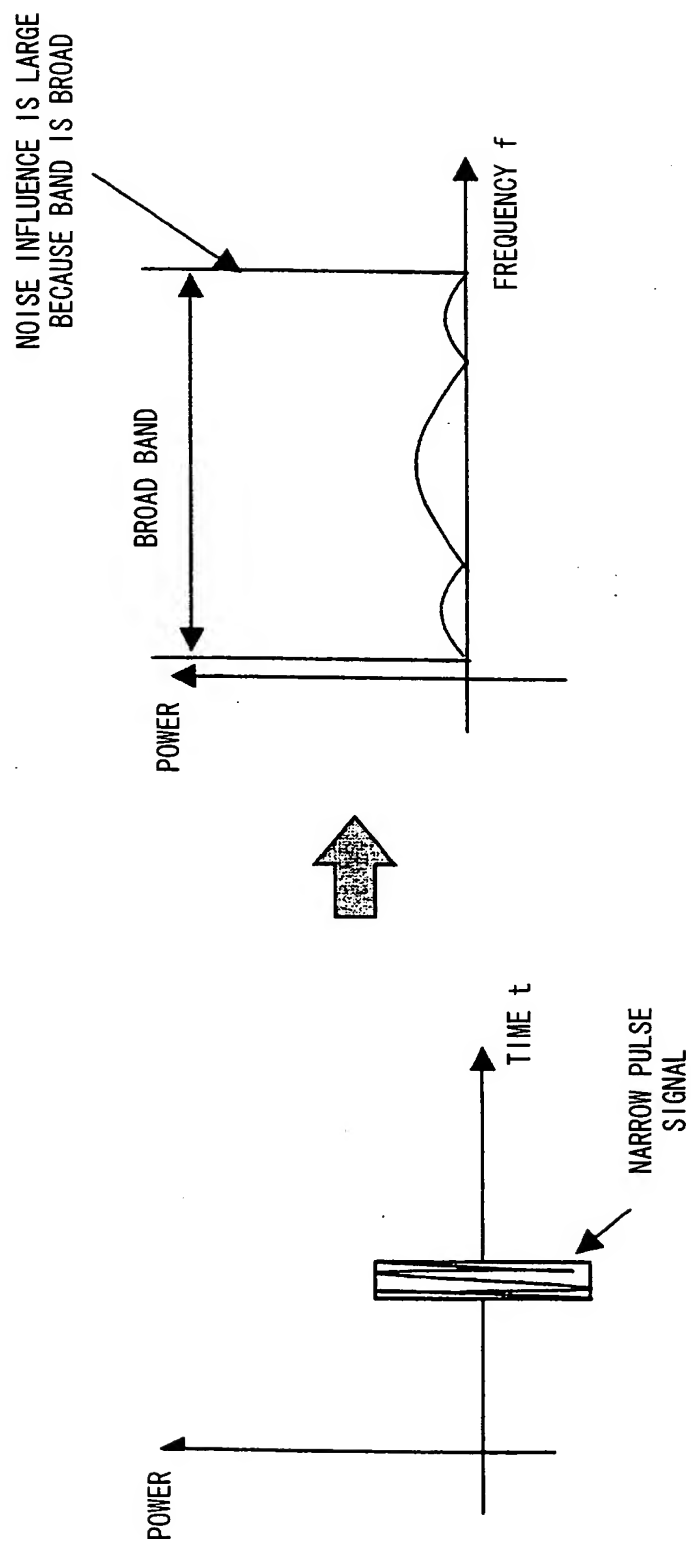


FIG. 2

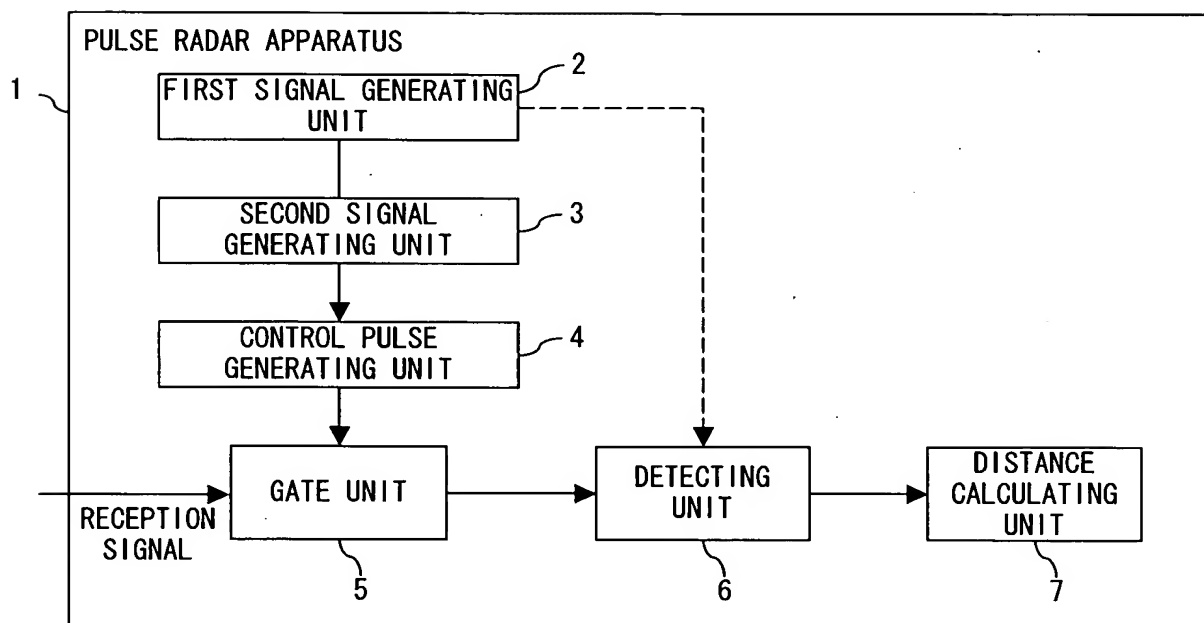


FIG. 3

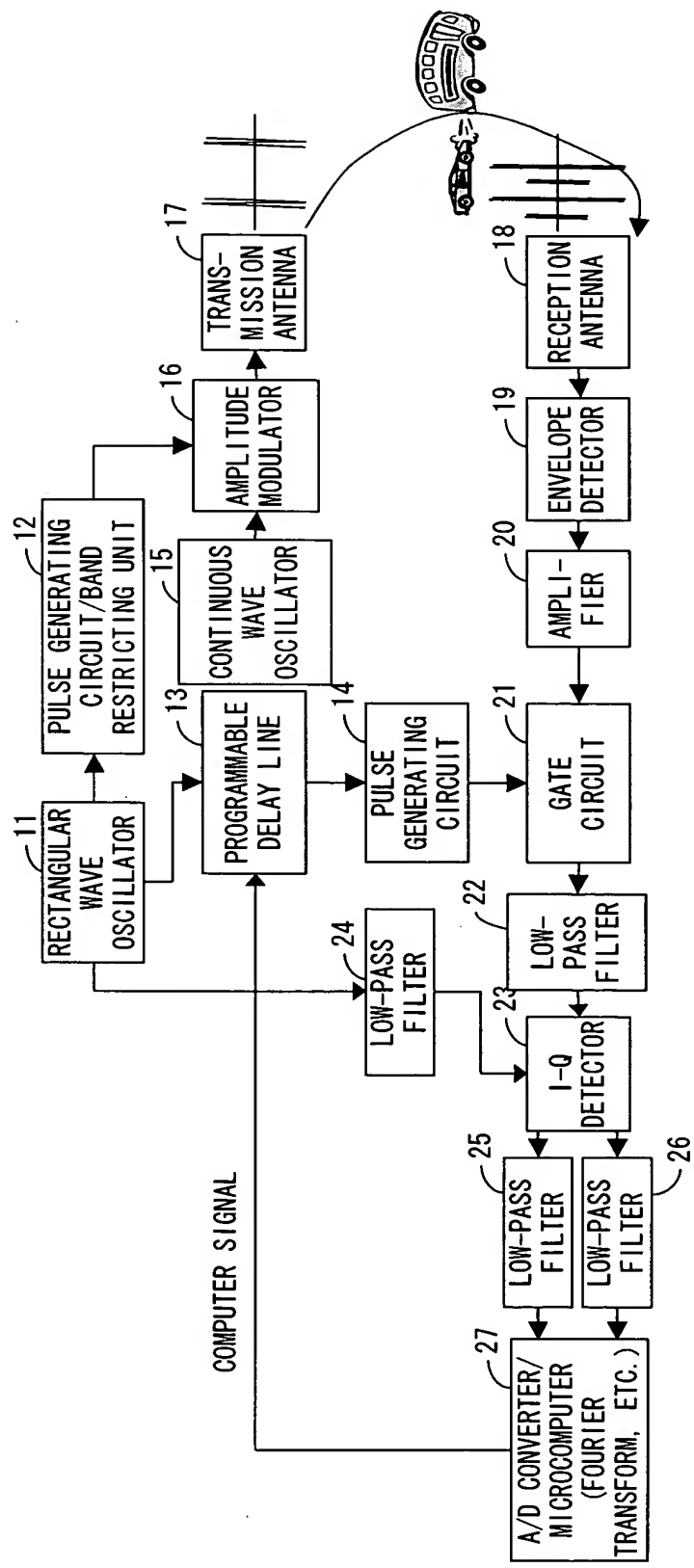
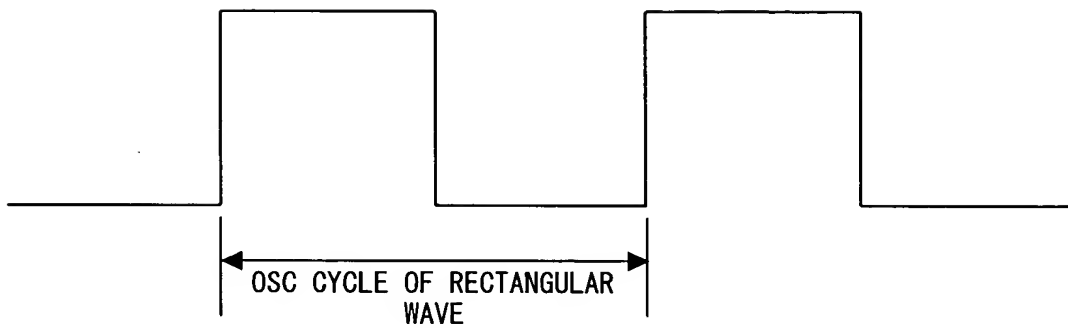


FIG. 4



F I G . 5

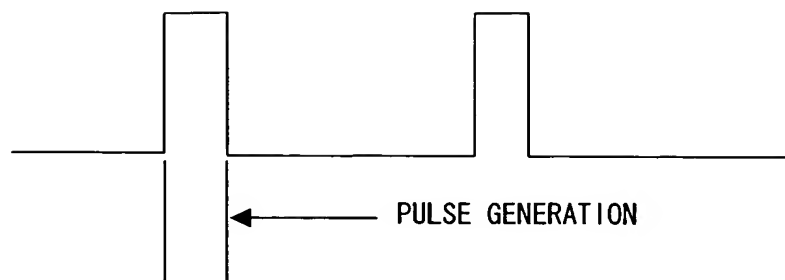


FIG. 6 A

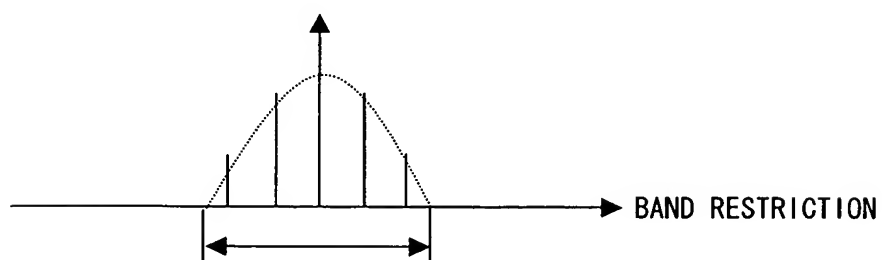
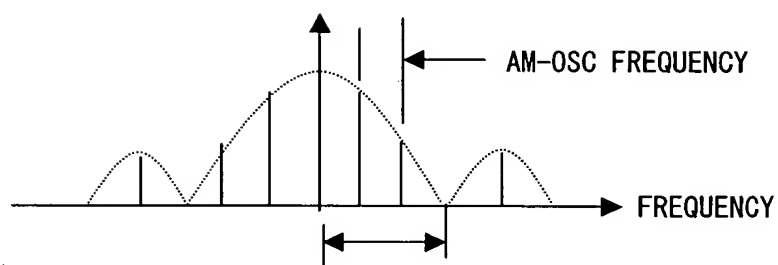


FIG. 6 B

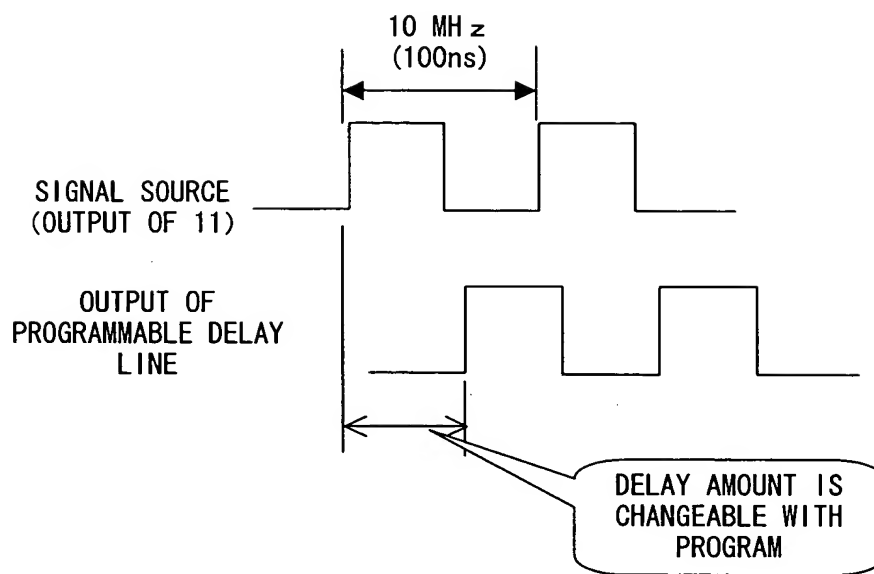


FIG. 7

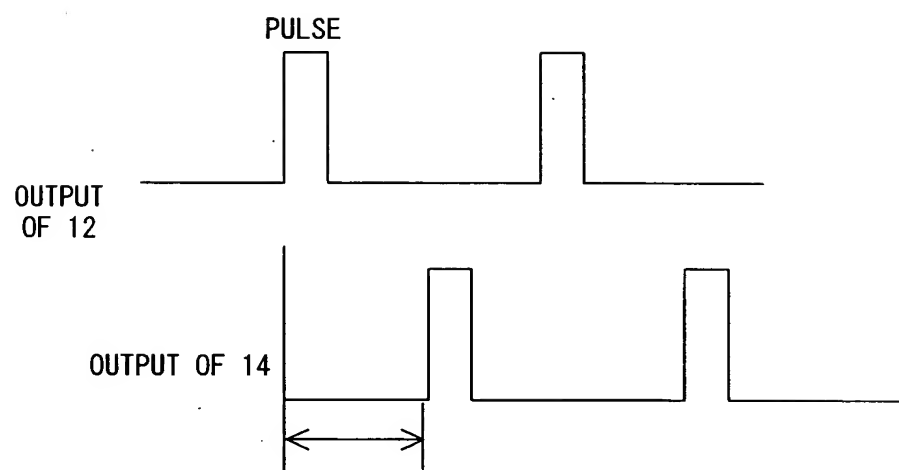


FIG. 8

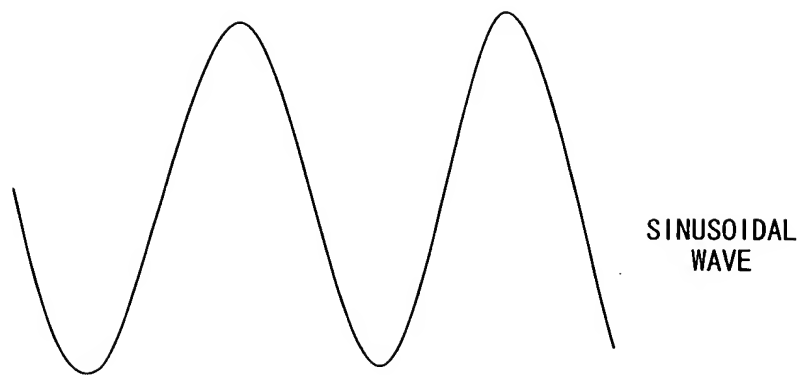


FIG. 9A

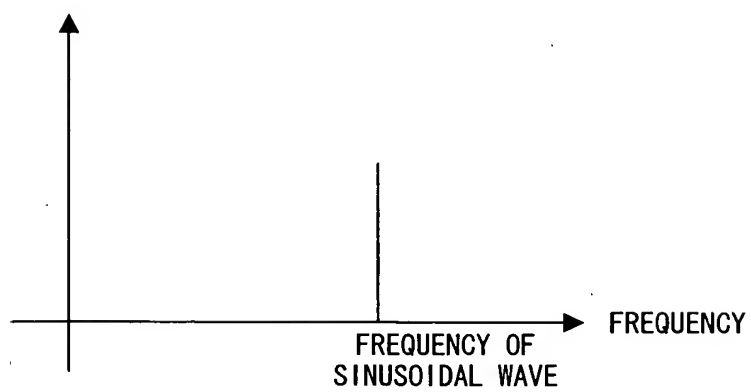


FIG. 9B

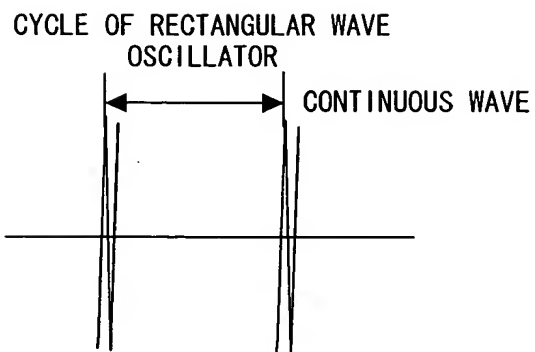


FIG. 10 A

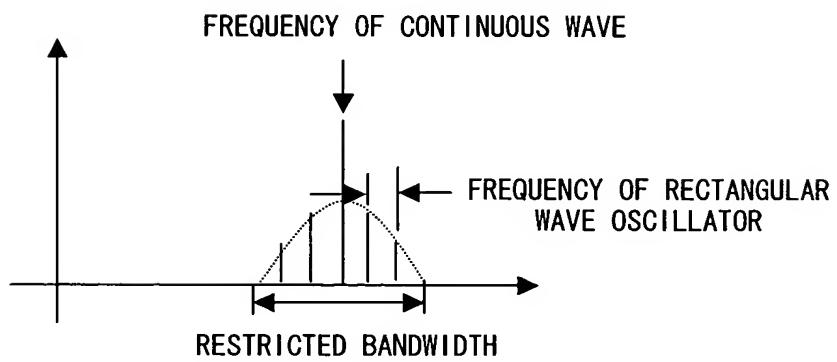
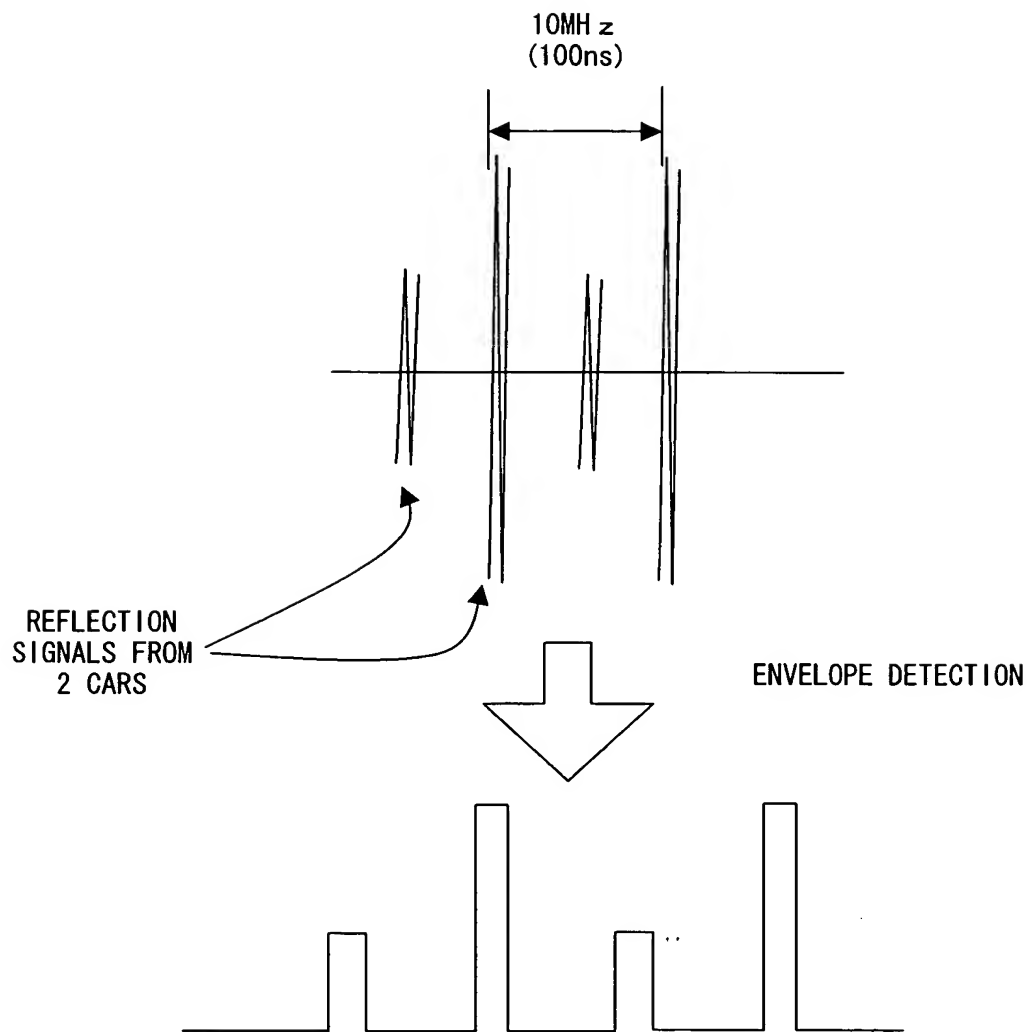


FIG. 10 B



F I G. 1 1

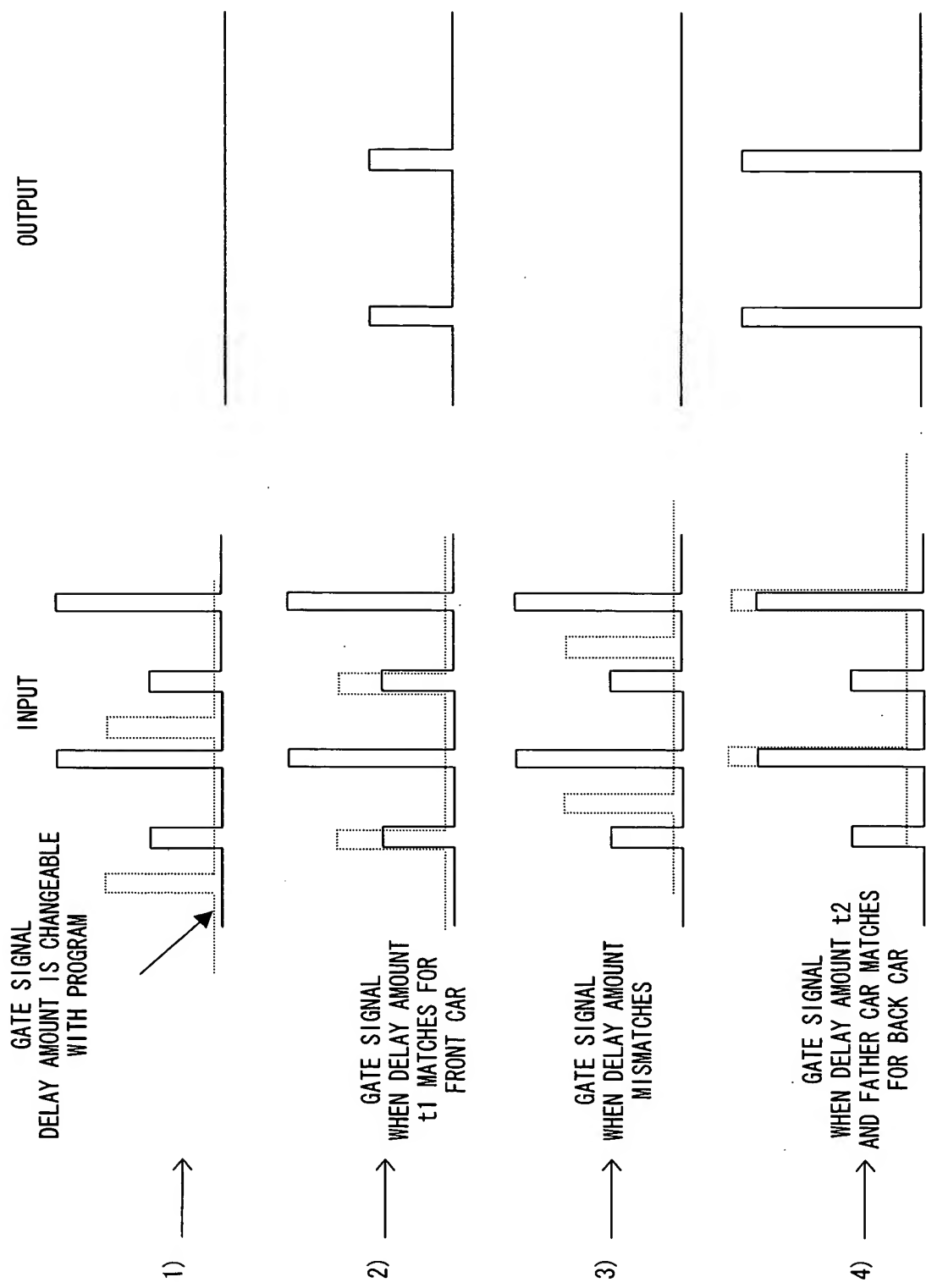


FIG. 12

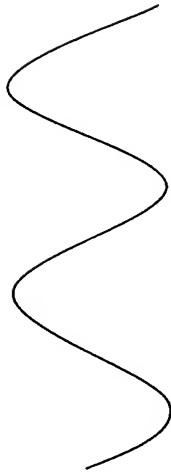
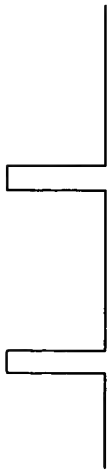
INPUT

OUTPUT

1)



2)



3)



4)

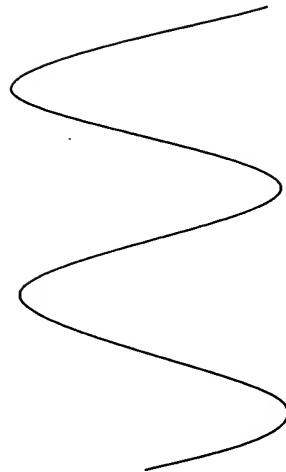
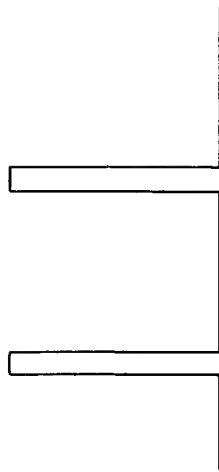
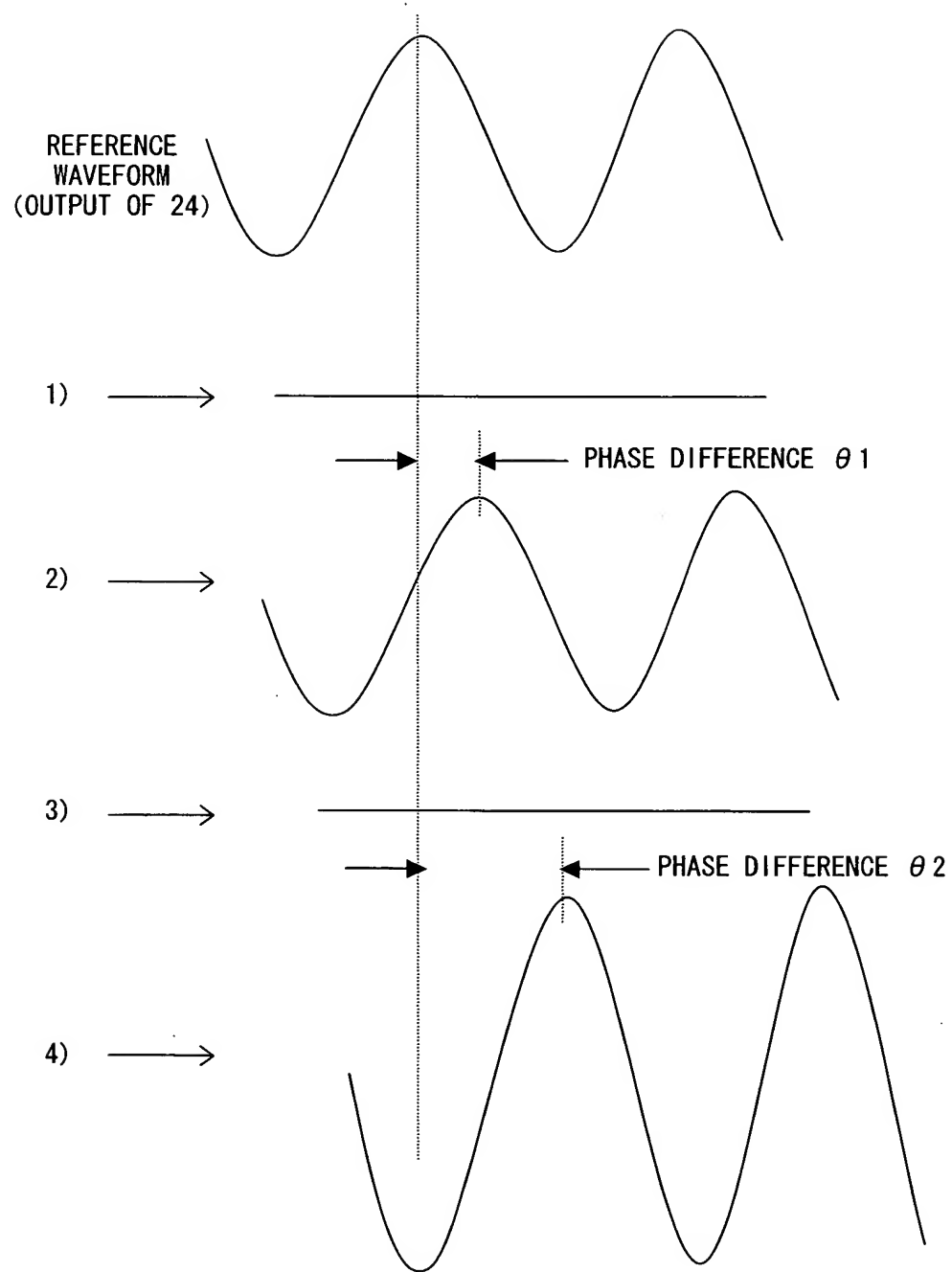


FIG. 13



F I G . 1 4

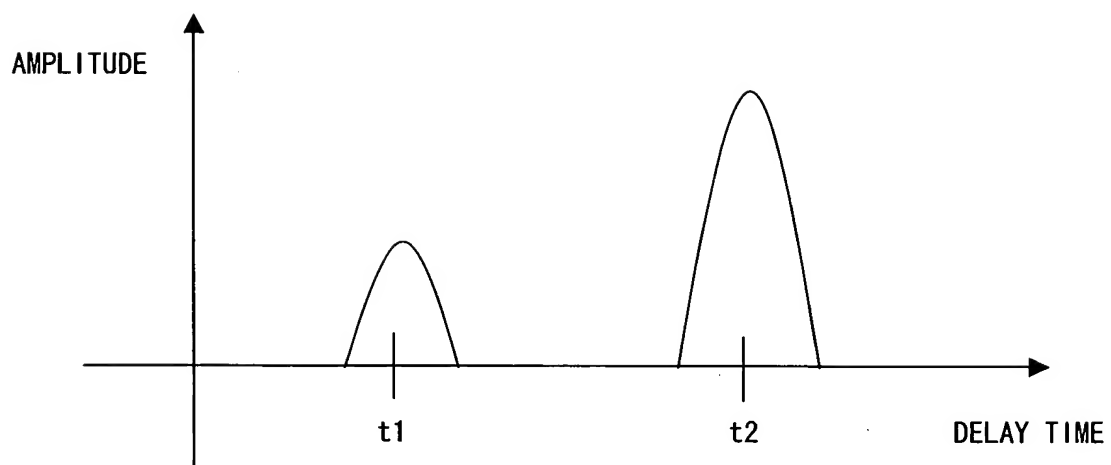
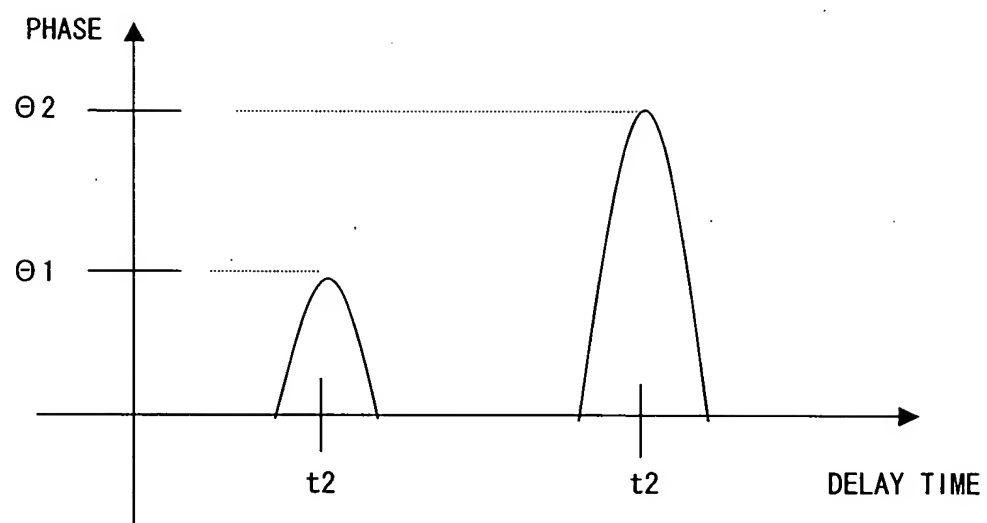


FIG. 15



F I G. 1 6

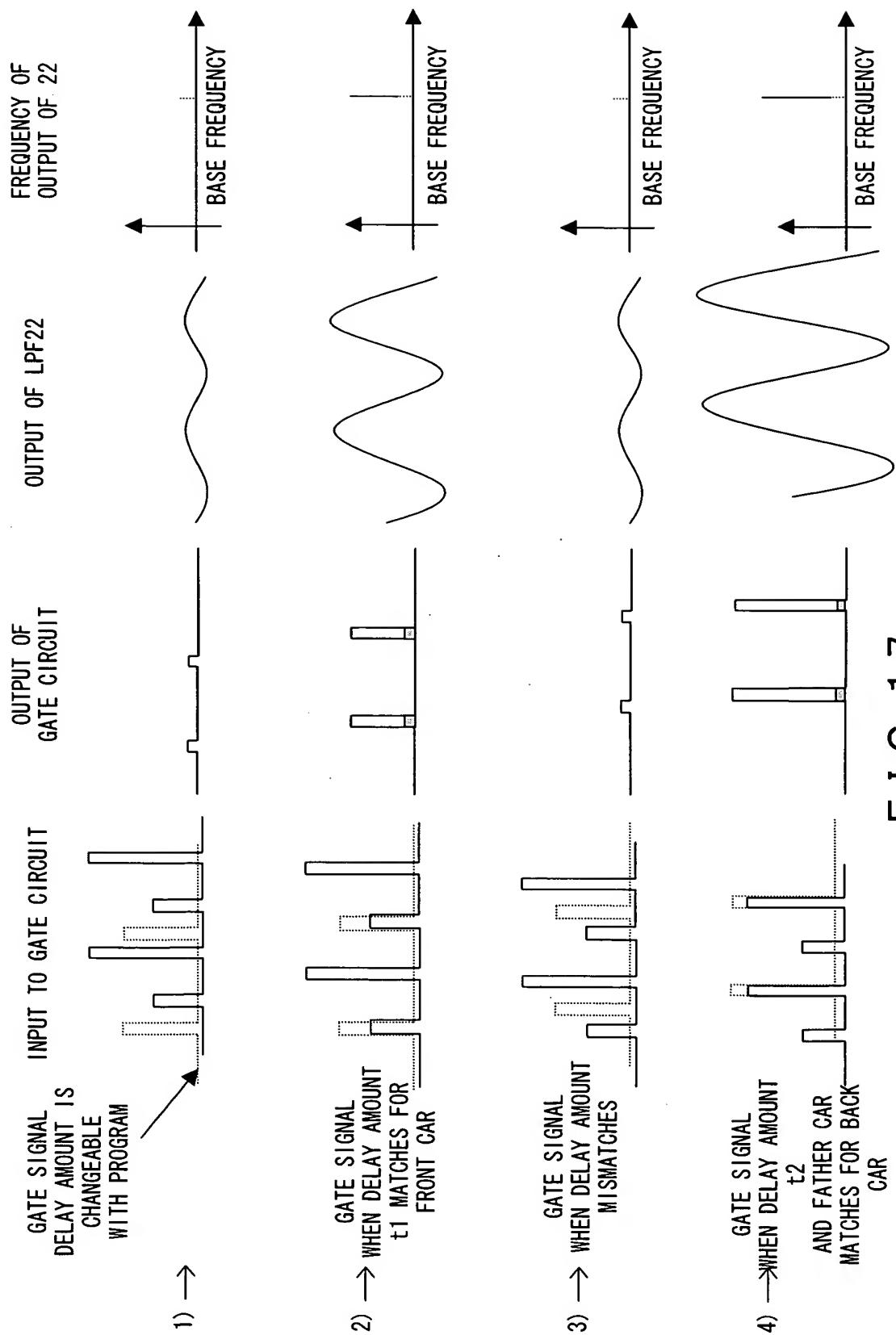


FIG. 17

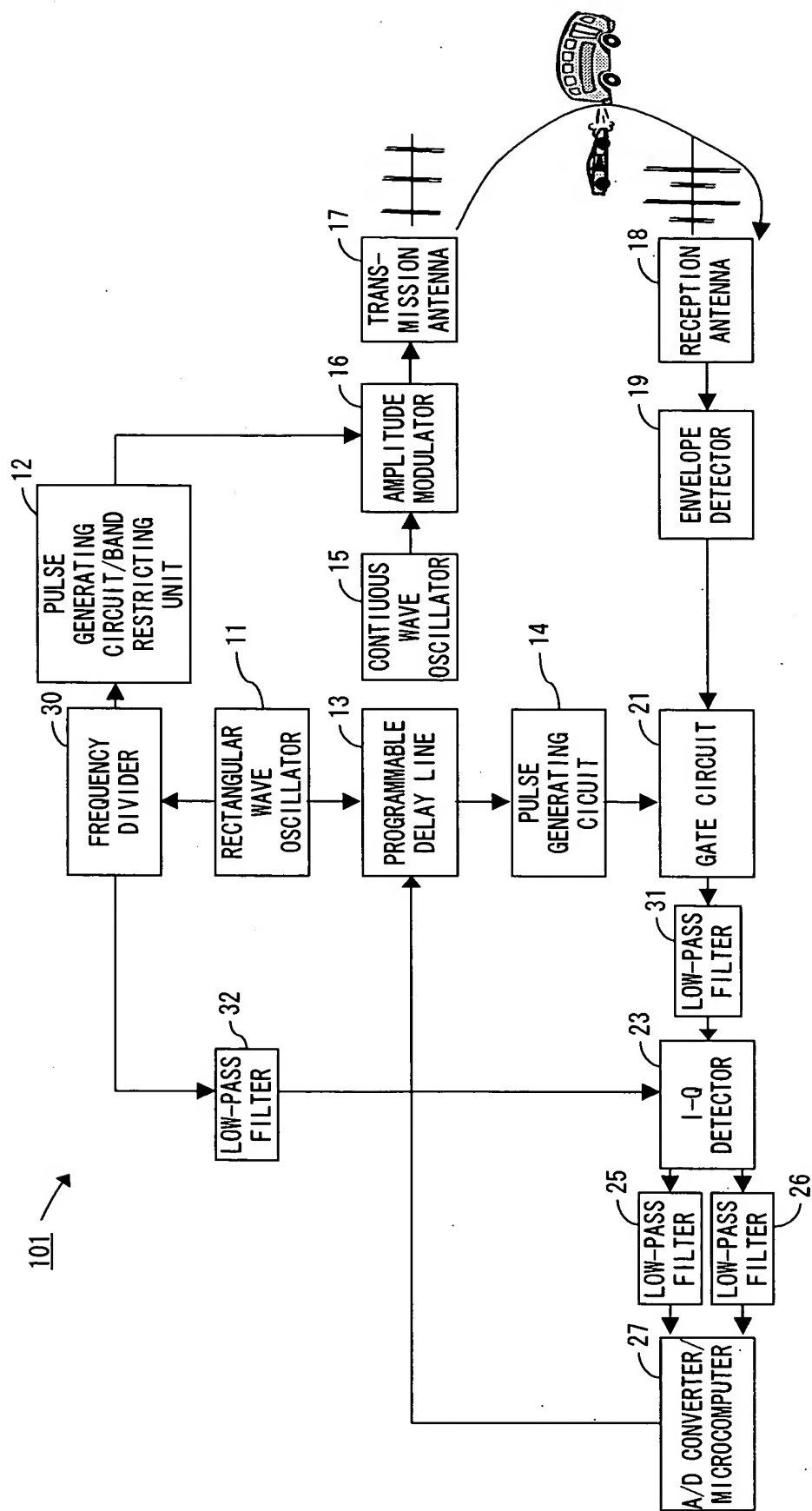


FIG. 18

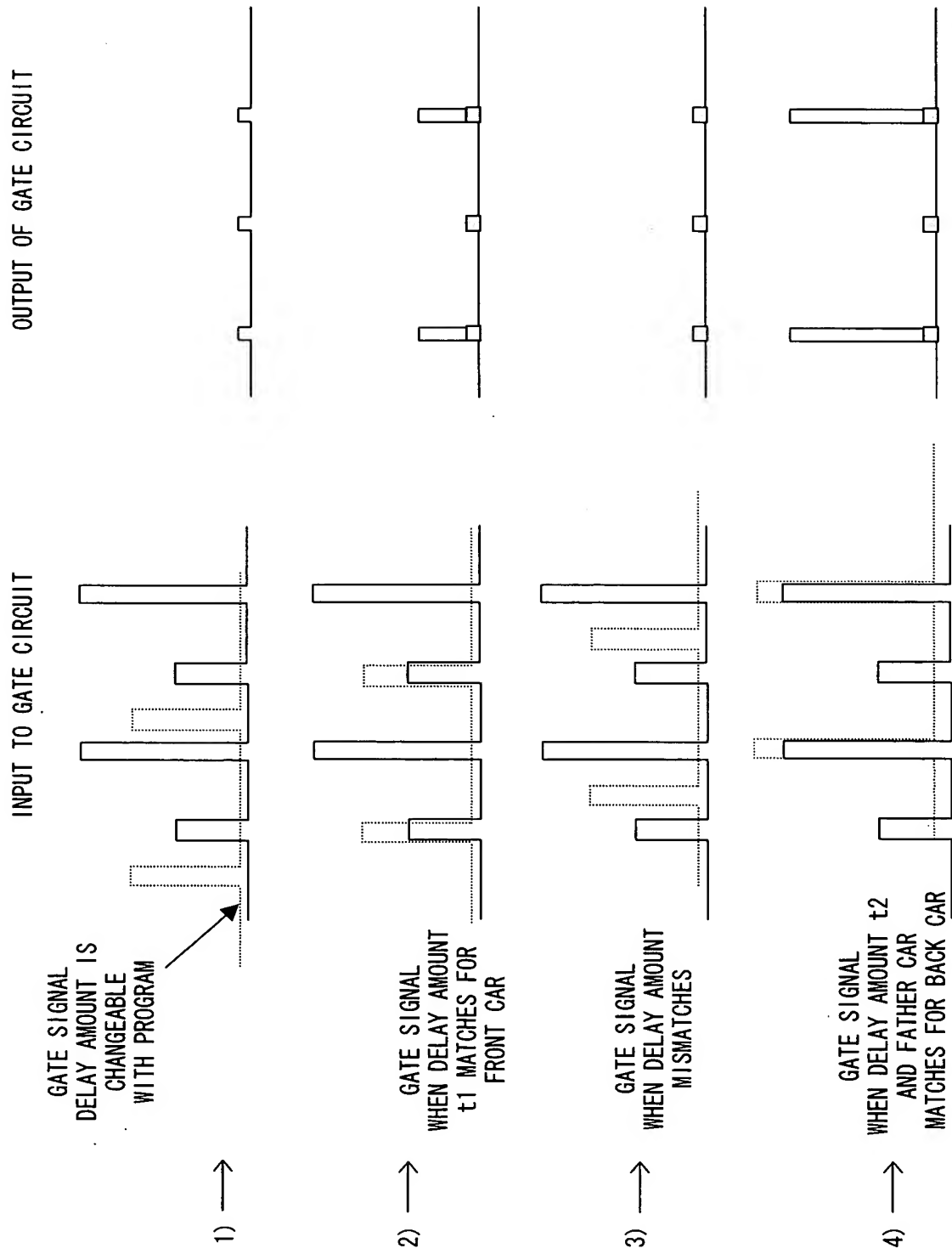
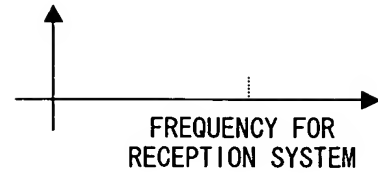
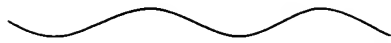


FIG. 19

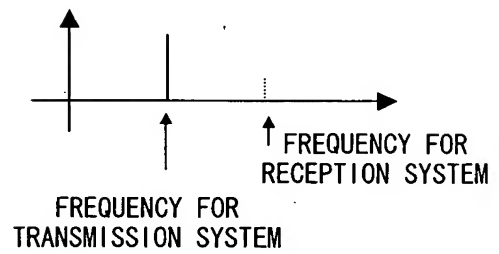
OUTPUT OF LPF31

FREQUENCY OF OUTPUT OF 31

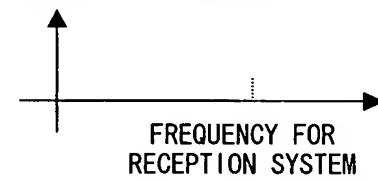
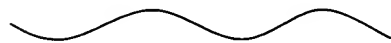
1)



2)



3)



4)

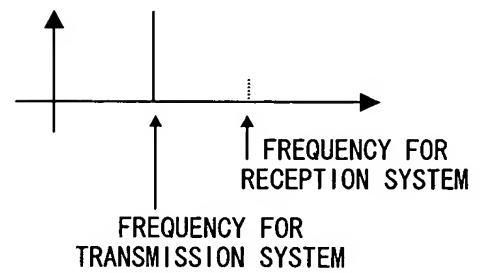
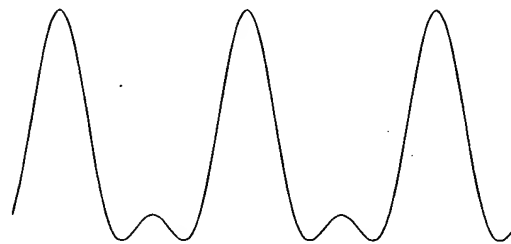


FIG. 20

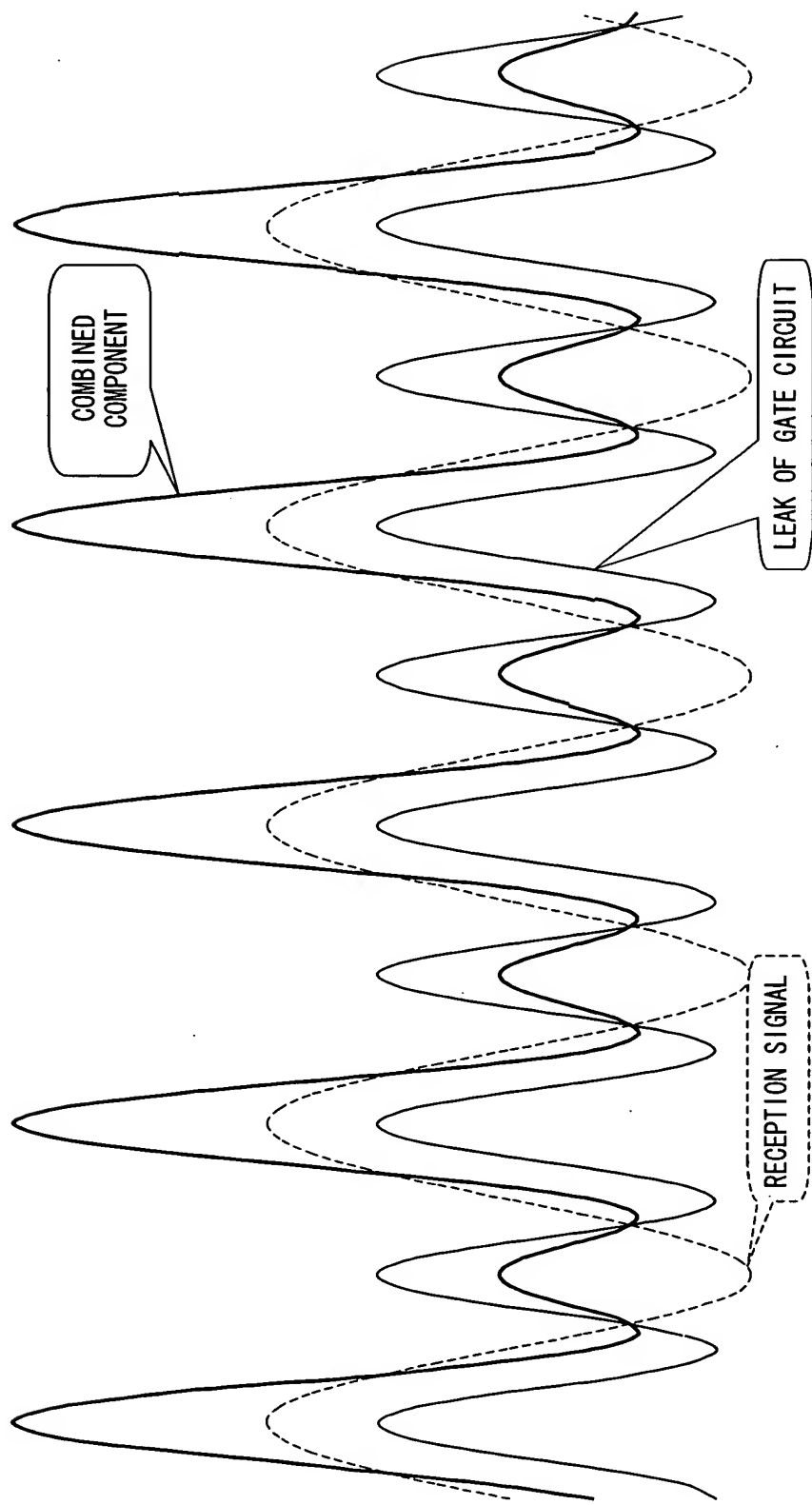


FIG. 21

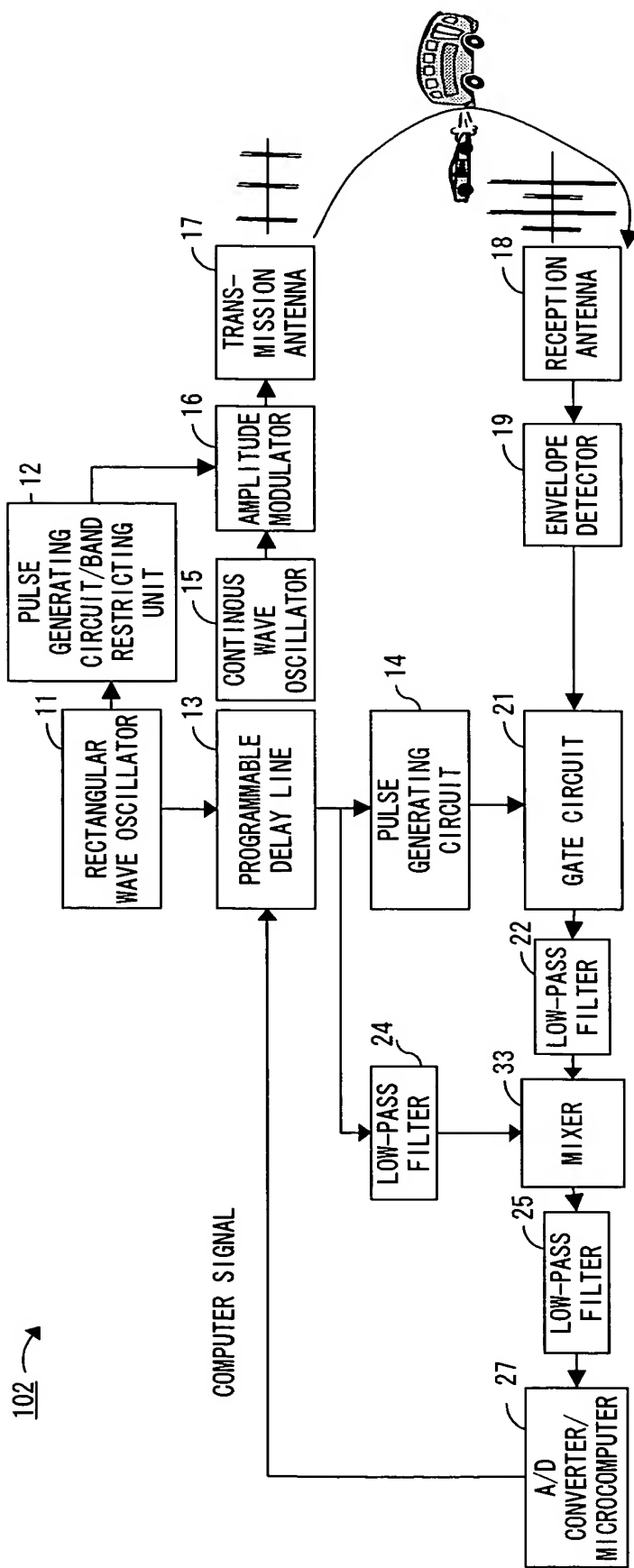


FIG. 22

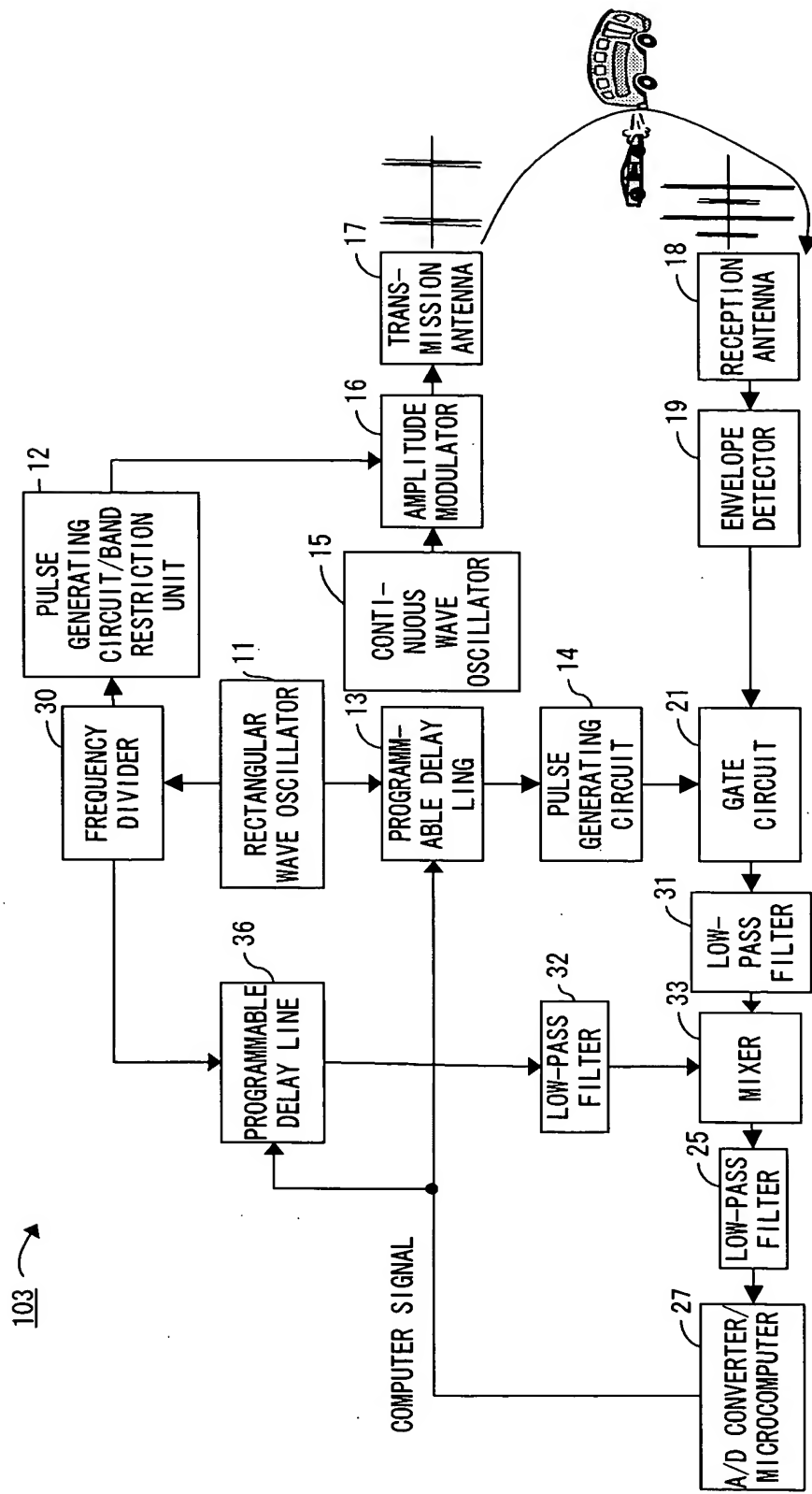
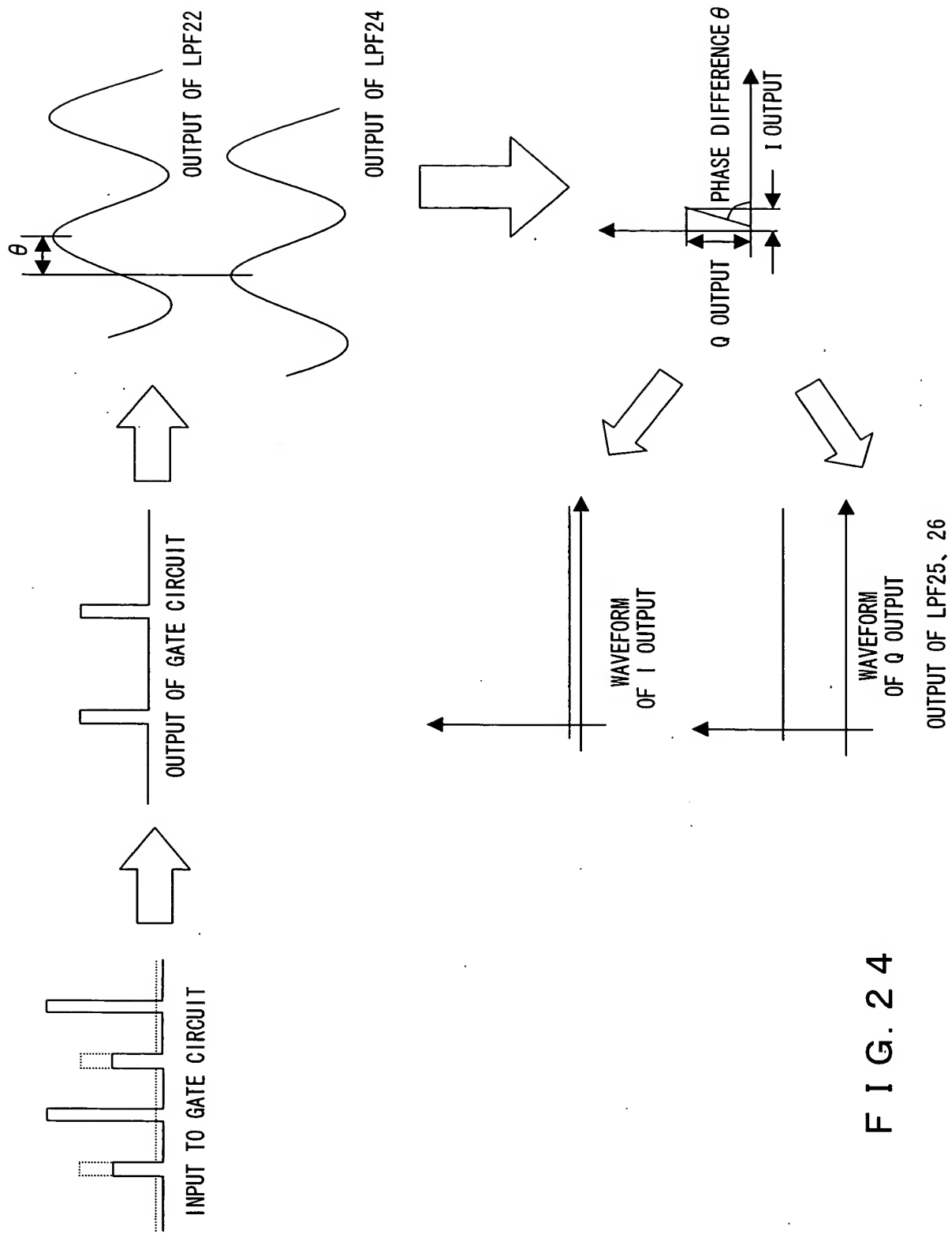
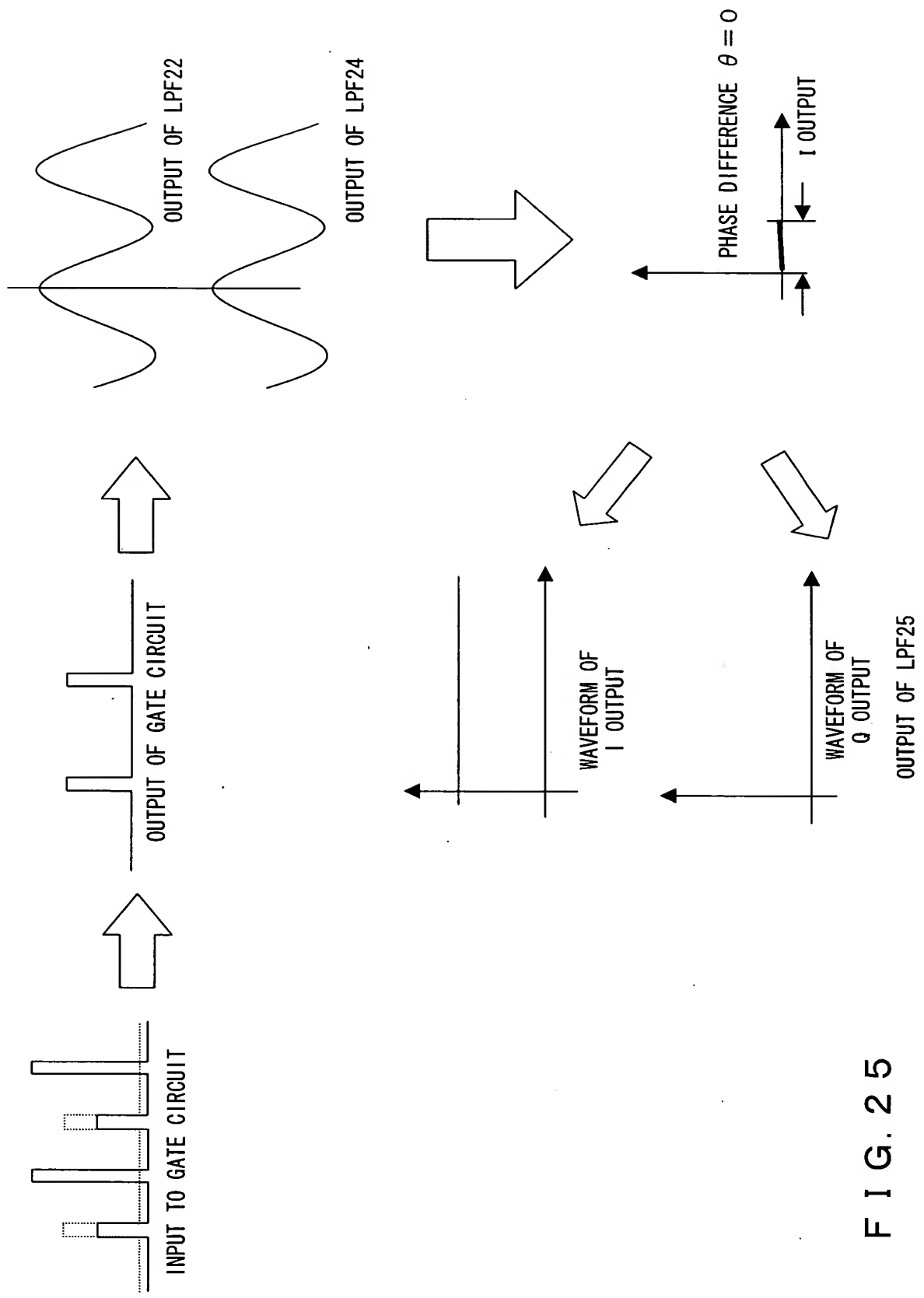


FIG. 23



F I G . 2 4



F I G. 2 5

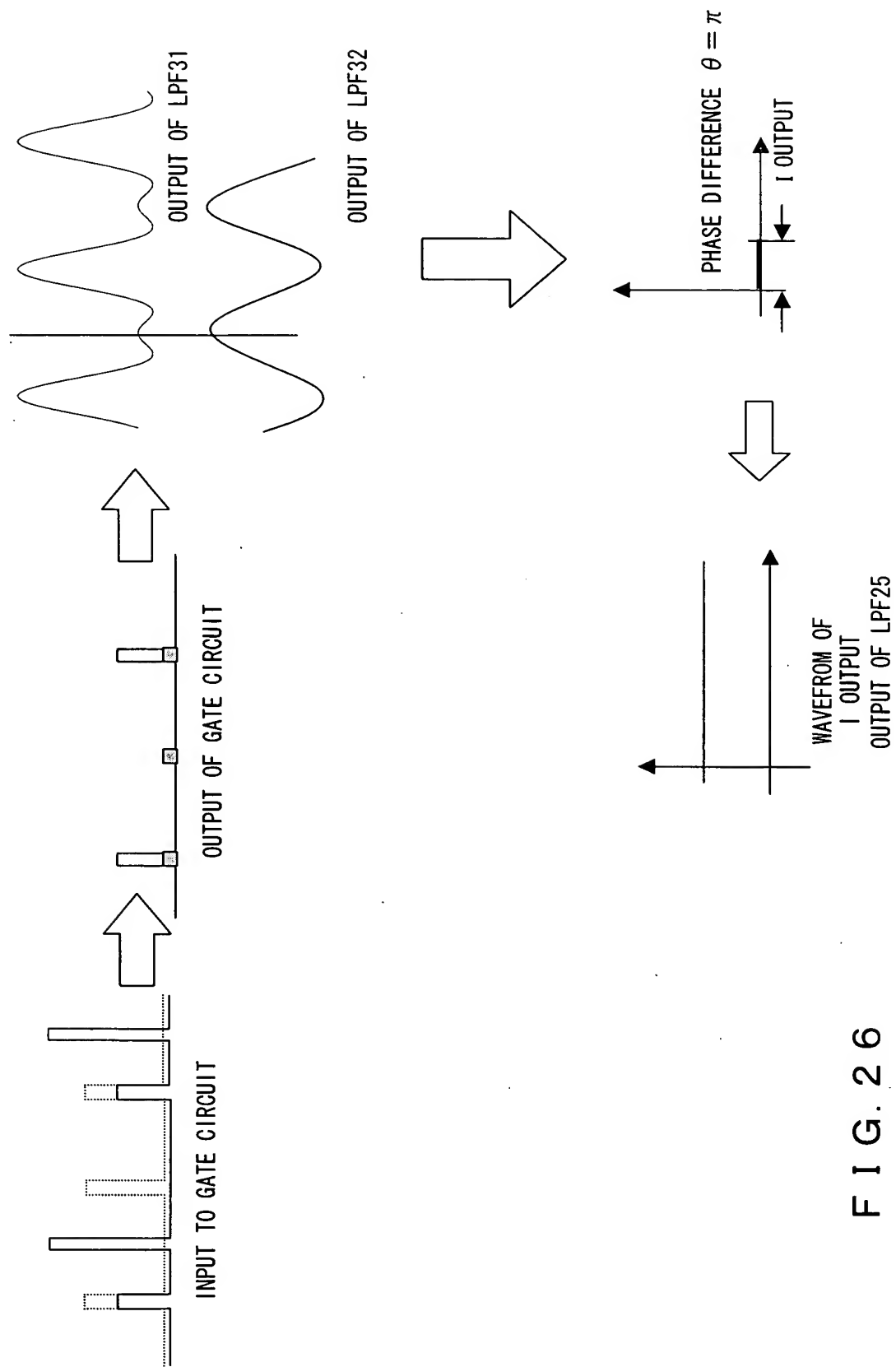


FIG. 26

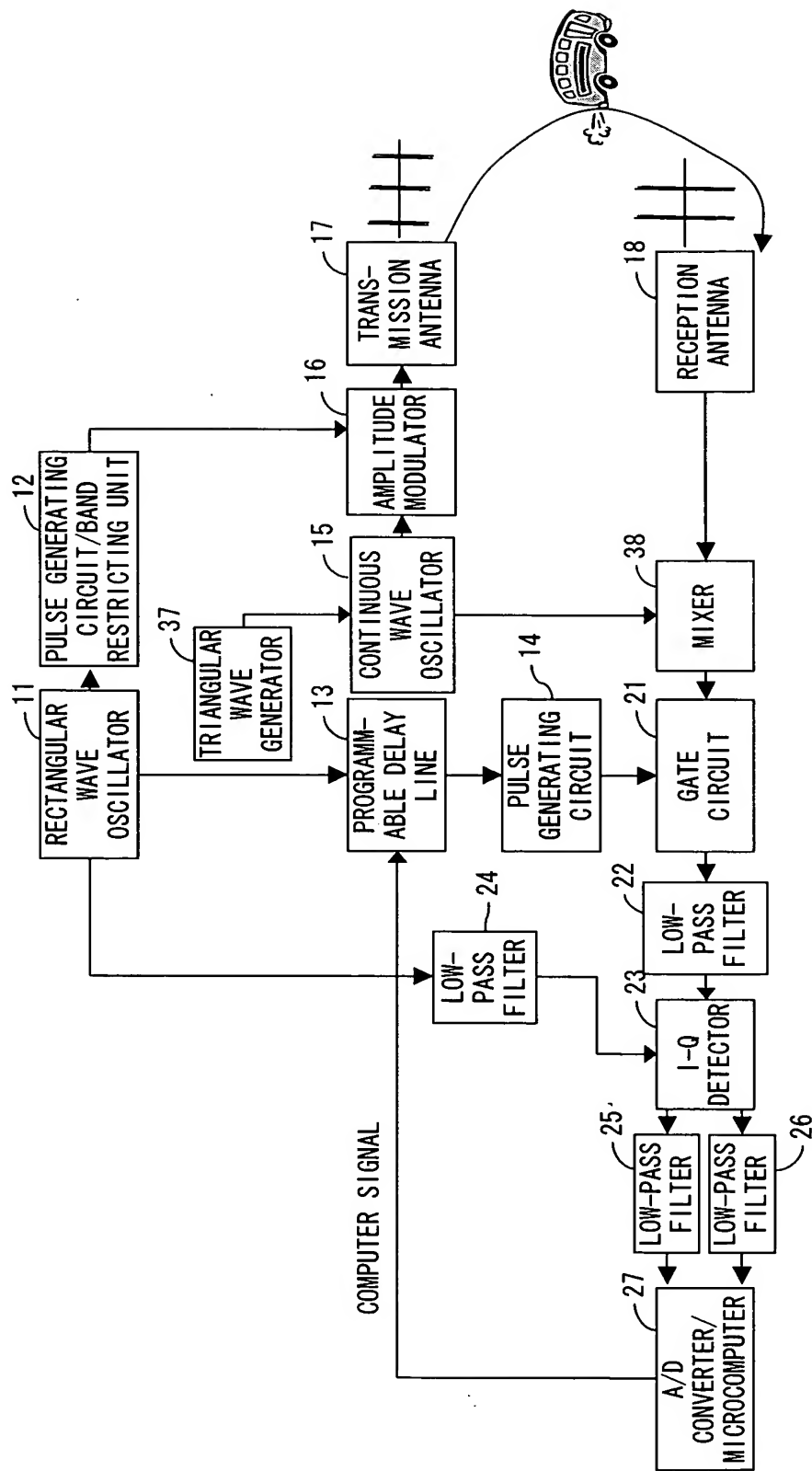


FIG. 27

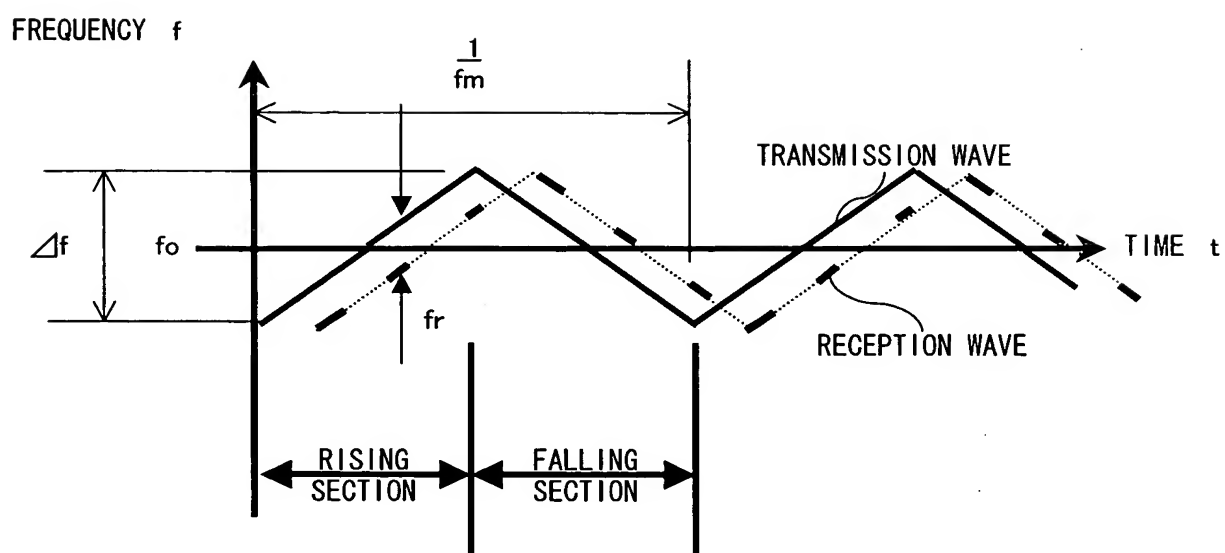


FIG. 28

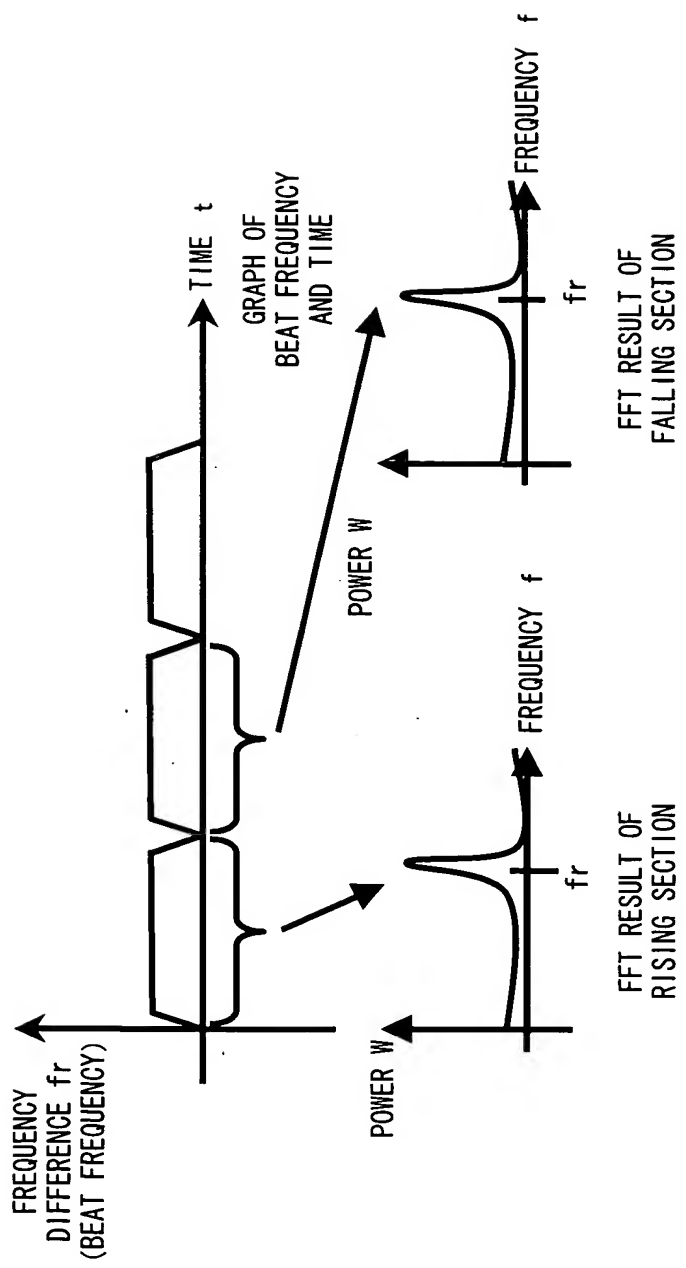


FIG. 29

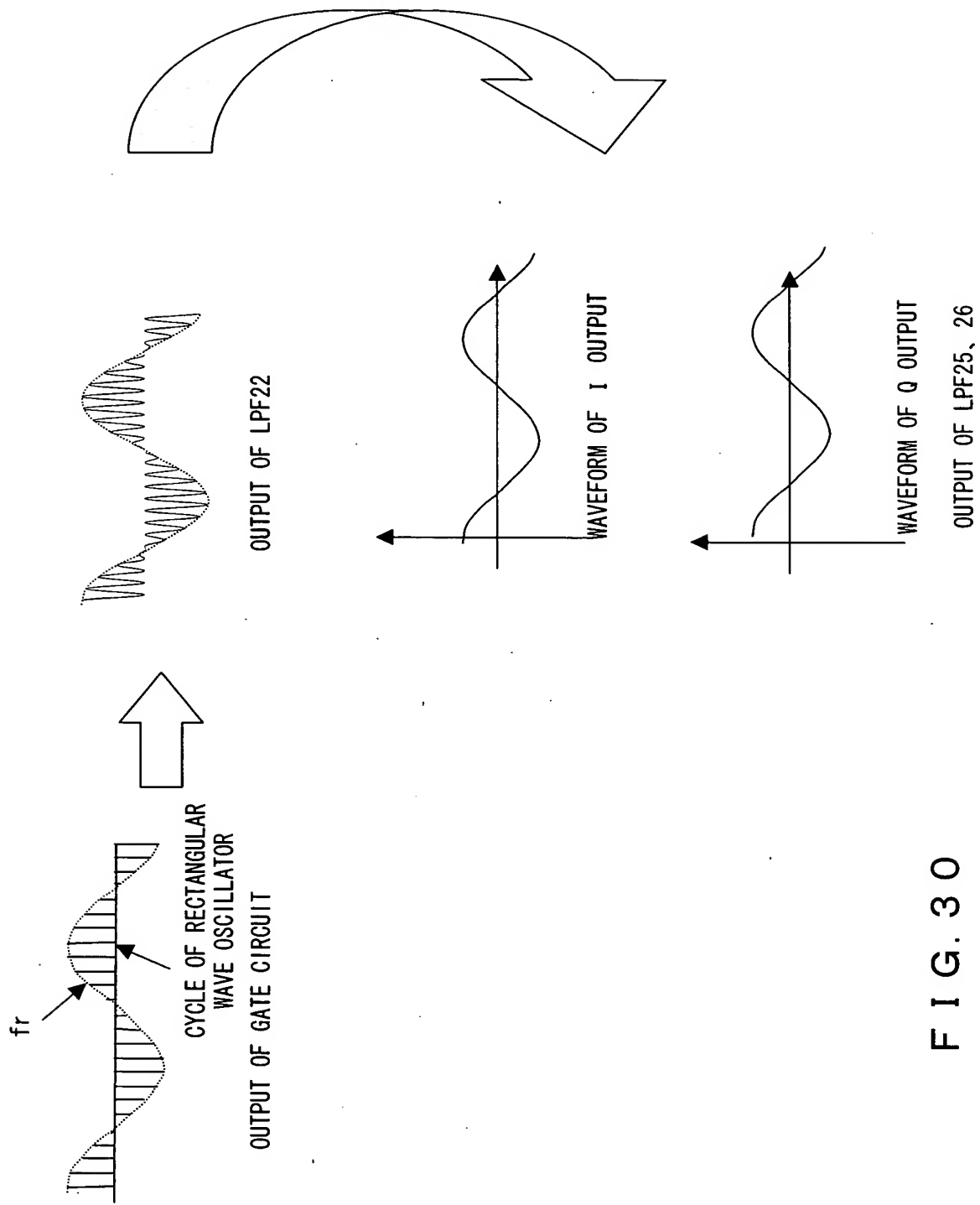
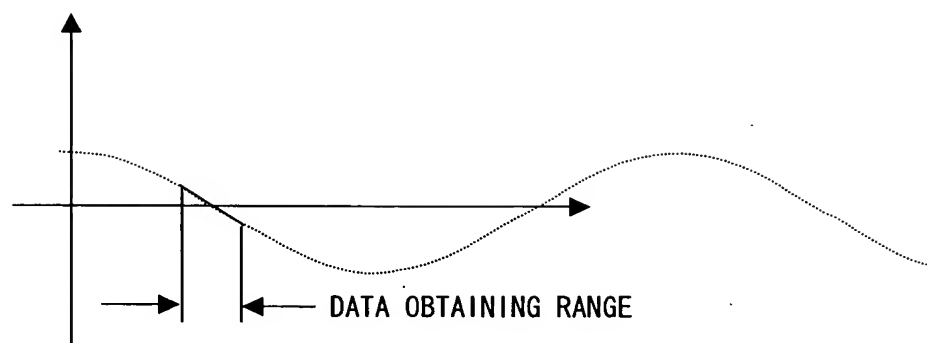
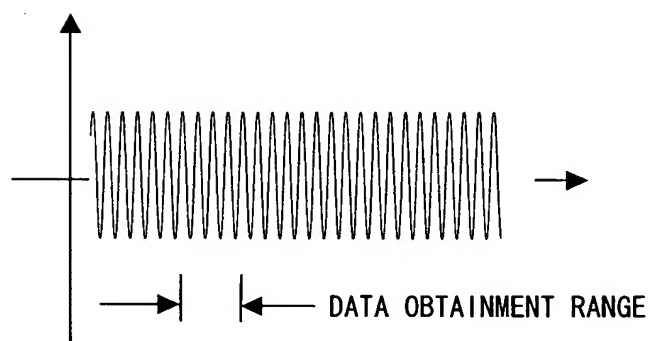


FIG. 30



WHEN BEAT FREQUENCY IS LOW
(SHORT DISTANCE)



WHEN BEAT FREQUENCY IS HIGH
(LONG DISTANCE)

TIME WAVEFORM OF I OUTPUT
(OUTPUT OF LPF25)

F I G . 3 1

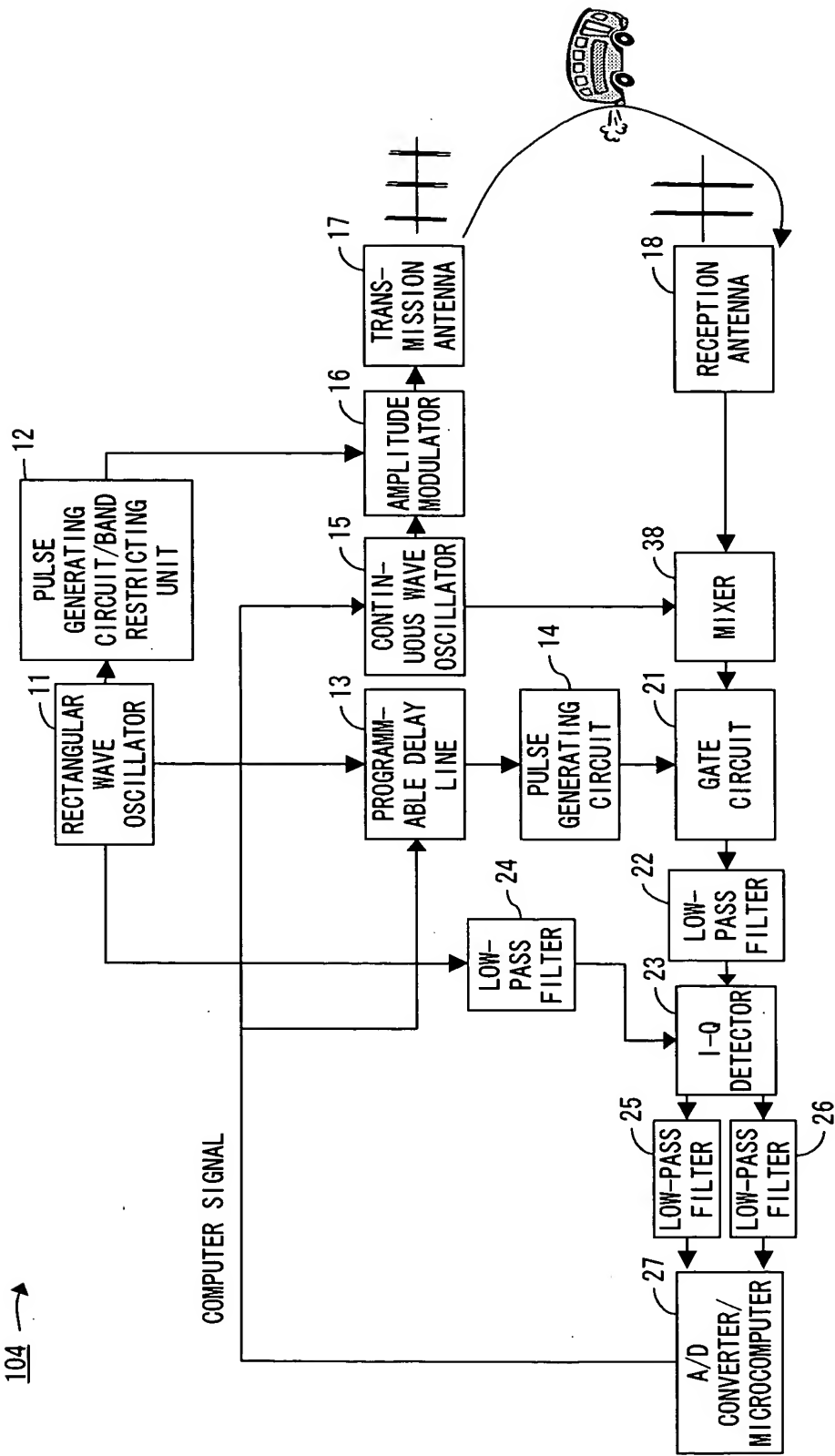
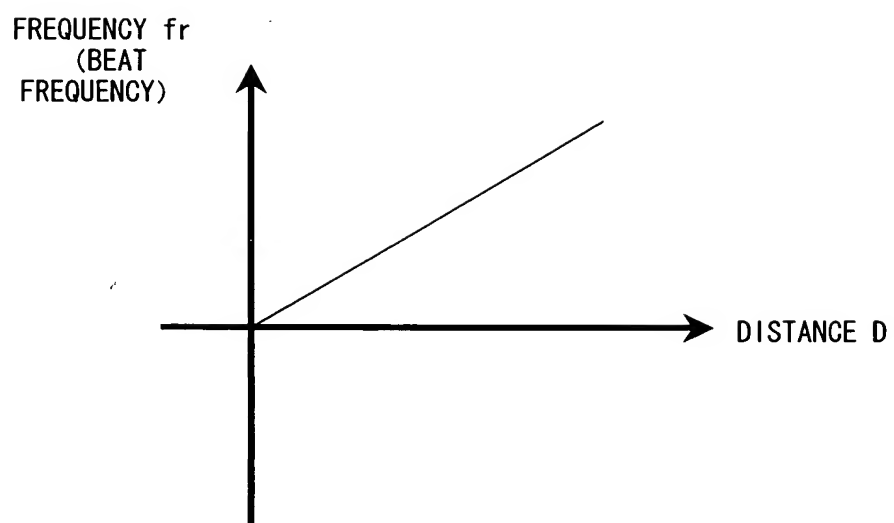
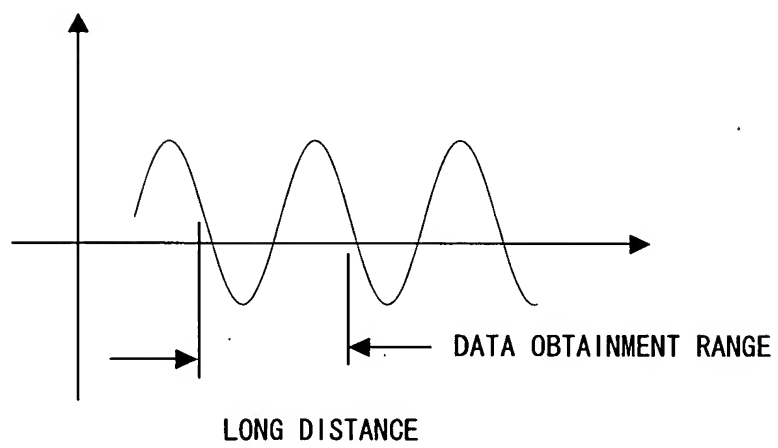
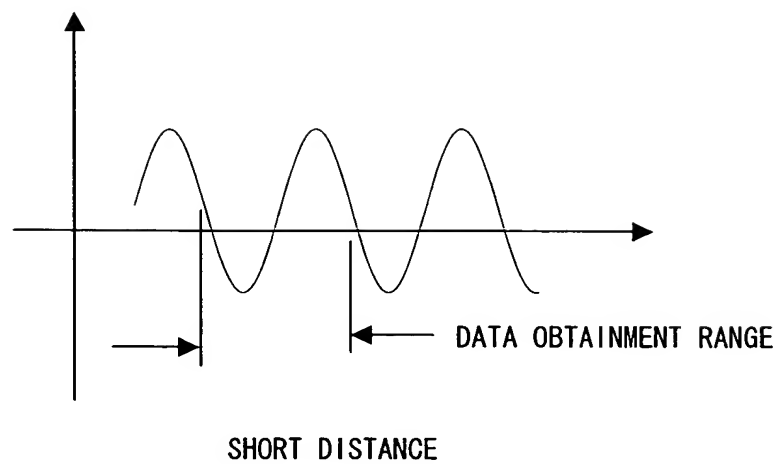


FIG. 32



F I G. 3 3



TIME WAVEFORM OF I OUTPUT
(OUTPUT OF LPF25)

F I G . 3 4